

**From:** [Spado, Matthew A LT](#)  
**To:** [Coleman, Judson A CDR](#); [Kevin.A.Broyles@uscg.mil](mailto:Kevin.A.Broyles@uscg.mil); [Parker, Drayton C MSTC](#); [Reighard, Daegel R MST2](#); [Lewis, Evan A MST3](#); [Blonder, Sarah C MST3](#); [Garrett.R.Meyer@uscg.mil](mailto:Garrett.R.Meyer@uscg.mil); [Bergman, Holly A LT](#); [Lopez, Efren A CDR](#); [Smith, Jonathan R CIV](#); [Andrew.M.Garcia@uscg.mil](mailto:Andrew.M.Garcia@uscg.mil); [Richard.J.Lavigne@uscg.mil](mailto:Richard.J.Lavigne@uscg.mil); [Vasser, Bryan](#); [Garrard, Jordan](#); [John.Maddox@dnr.ga.gov](mailto:John.Maddox@dnr.ga.gov)  
**Cc:** [Owens, Kyle M MSTC](#); [Michael.J.Goglia@uscg.mil](mailto:Michael.J.Goglia@uscg.mil)  
**Subject:** FW: ES207250 Ambient Air Monitoring Summary Letter  
**Date:** Wednesday, December 9, 2020 9:04:35 AM  
**Attachments:** [image004.png](#)  
[image005.png](#)  
[image006.png](#)

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Good Morning Everyone,

Attached are TERRACON's results from recent (Nov 16-20) air monitoring collections along shoreline around Ocean Petroleum, PAC COMM, and Georgia Port Authority properties on the East River in Brunswick, GA.

Conclusions are as follows:

- Gasoline was observed to the southwest of the dock located at 1029 Bay Street during periods approaching low tide. No detectable benzene concentrations were measured in the breathing zone at low or high tide during the assessment period of November 16 through 20, 2020. Benzene concentrations were detected at surface water level between pm and 3.41 ppm during the assessment period.

- No VOCs were detected at concentrations in ambient air above their respective OSHA PEL. As such, worker health is not at risk from average exposure to VOCs over a nominal 8-hour shift and 40-hour workweek occurring in the subject site.

- Twenty-nine (29) VOCs were detected at concentrations above laboratory MDLs. Site workers may feel adverse effects related to VOCs detected in the subject site to include but not limited to: eye, nose, and throat irritation; shortness of breath; headaches; fatigue; nausea; and dizziness and skin problems. Long term-exposures to VOCs may cause damage to the liver, kidneys, or central nervous system. Additionally, some VOCs are carcinogenic.

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MSU's future plans are to conduct real-time monitoring of groundwater flow across all three properties simultaneously and begin a more thorough assessment of the Ocean Petroleum property. Additionally we received the following SOW recommended by EPA, which we also plan to pursue.

Installation of up to 5, 2" monitoring wells on Ocean Petroleum property.

Installation of up to 5, 2" monitoring wells on PacCom property.

Surveying the top of casing for all wells on Ocean Petroleum, PacCom, and GA Port Authority property that are not already known based on previous investigations.

Continuous, real-time monitoring of groundwater elevations for at least 48 hours (4 full tidal cycles) Groundwater sampling of all monitoring wells on Ocean Petroleum, PacCom, and GA Port Authority property. All samples will be collected following EPA LSASD field technical SOPs and analyses should include GRO, DRO, ORO, and BTEX. If free product is encountered, sample of free product will be also be submitted for GRO, DRO, and ORO and MSL fingerprinting and the thickness would be measured.

Investigative derived waste will be managed in accordance with all applicable laws and EPA LSASD field technical SOPs.

All sampling locations will be cleared by a geophysical survey prior to drilling and GA 811 will be

notified.

If free product is encountered on the southern side of the Ocean Petroleum property, up to five wells may be installed on the neighboring property to the south, if access can be obtained.

Please let me know if you have any questions.

Respectfully,

LT Matthew Spado

Marine Safety Unit Savannah, Chief of Response

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**From:** Lauren Young <[lyoung@moranenvironmental.com](mailto:lyoung@moranenvironmental.com)>

**Sent:** Wednesday, December 9, 2020 7:13 AM

**To:** Owens, Kyle M MSTC <[Kyle.M.Owens@uscg.mil](mailto:Kyle.M.Owens@uscg.mil)>

**Cc:** Ryan Harris <[rharris@moranenvironmental.com](mailto:rharris@moranenvironmental.com)>; Ellison, Anthony <[Anthony.Ellison@terracon.com](mailto:Anthony.Ellison@terracon.com)>; Spado, Matthew A LT <[Matthew.A.Spado@uscg.mil](mailto:Matthew.A.Spado@uscg.mil)>; Goglia, Michael J MSSR3 <[Michael.J.Goglia@uscg.mil](mailto:Michael.J.Goglia@uscg.mil)>

**Subject:** [Non-DoD Source] FW: ES207250 Ambient Air Monitoring Summary Letter

Good afternoon MSTC,

I've attached the air monitoring results from Terracon. Let me know if you would like to setup a call this week to review.

Respectfully,

**Lauren Young**

*Project Manager*

*Moran Environmental Recovery, LLC*

*251 Levy Rd*

*Atlantic Beach, FL 32233*

*Cell Phone: 904-571-3684*



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**From:** Ellison, Anthony <[Anthony.Ellison@terracon.com](mailto:Anthony.Ellison@terracon.com)>

**Sent:** Tuesday, December 8, 2020 4:23 PM

**To:** Lauren Young <[lyoung@moranenvironmental.com](mailto:lyoung@moranenvironmental.com)>

**Cc:** Dixon, Stewart A <[Stewart.Dixon@terracon.com](mailto:Stewart.Dixon@terracon.com)>

**Subject:** ES207250 Ambient Air Monitoring Summary Letter

Lauren,

Please see the attached Ambient Air Monitoring Summary Letter for the assessment at the Mayor's Point Terminal site.

Let me know if you have any questions or would like to discuss further.

**Wm. Anthony Ellison, GIT**

**Senior Staff Geologist**

**Terracon**

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**From:** Lauren Young <[lyoung@moranenvironmental.com](mailto:lyoung@moranenvironmental.com)>

**Sent:** Friday, December 4, 2020 1:56 PM

**To:** Ellison, Anthony <[Anthony.Ellison@terracon.com](mailto:Anthony.Ellison@terracon.com)>

**Subject:** Re: Terracon Summary

Hey Anthony,

I hope that you had a great thanksgiving. I wanted to check in and see if we had any of the results back from the recent air monitoring?

V/R

Lauren Young

Project Manager

904-571-3684

[lyoung@moranenvironmental.com](mailto:lyoung@moranenvironmental.com)

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